

Investment Opportunities In Medical Industry

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The Board of Investment of Thailand

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Thailand Medical Landscape at a Glance



14,762

Healthcare Providers

386

Private Hospitals

62

JCI Accredited Hospital

3.5 Million

Medical Tourists

600 Million USD

Spending on Medical Tourism

World's 5th biggest Medical Tourism Market

Medical Device Market
22 Billion USD in 2019

Expected Growth for
Medical Device Market
8 to 10 percent

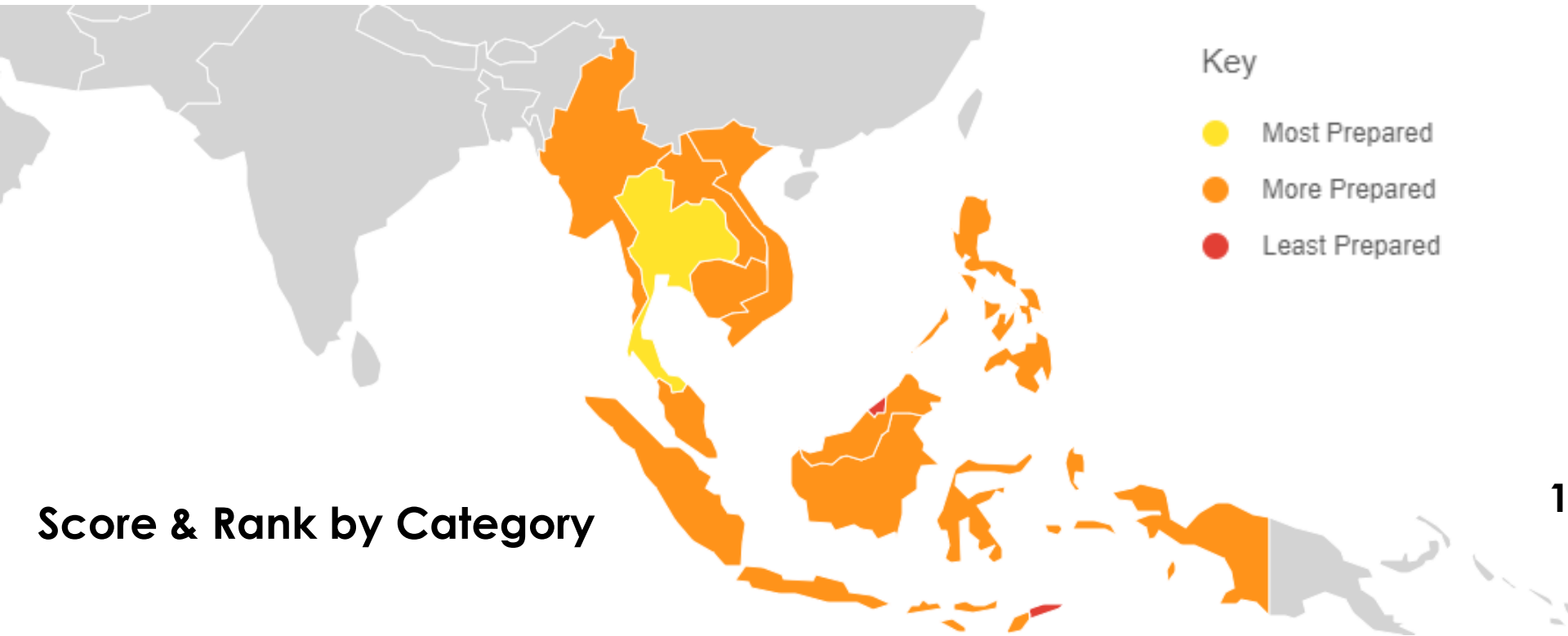
About 600 Thai-based Companies
located in the countries

Thailand as a Regional Leader in Health System

2021 GHS
Score
68.2

5th / 195 in Global
1st in Asia

1st among Upper-middle
Income Countries



Score & Rank by Category

	Prevent	Detect	Respond	Health	Norms	Risk
Index Score	59.7	91.5	67.3	64.7	68.9	57.2
Change from 2019	-4.2 (↓)	+8.3 (↑)	-11.3 (↓)	+2.4 (↑)	+2.4 (↑)	-1.7 (↓)
Overall Rank	10	1	2	10	10	88

Source: Johns Hopkins Center for Health Security

Medical Industry Supply Chain

Supplier Industries



Agricultural



Chemical



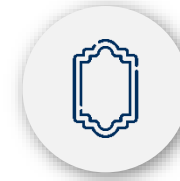
Metalworking



Textile



Ceramic



Glass and Mirror



Rubber

Pharmaceutical Industry

Herb

Active/ Inactive Ingredients

Conventional Medicine

Traditional Medicine

Medical Food Industry

Agricultural Product

Food

Medical Food

Medical Device Industry

Parts and Components

Medical Devices

Medical Services

Hospital

Clinic

Medical University

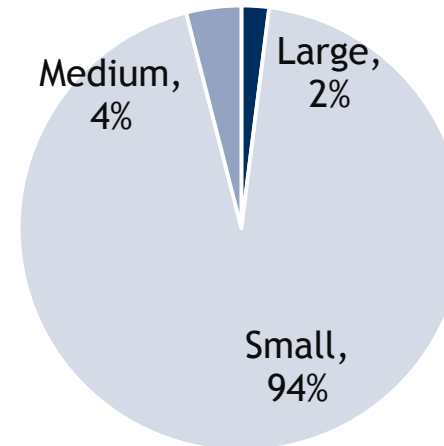
Others

Thai Medical Device Manufacturers

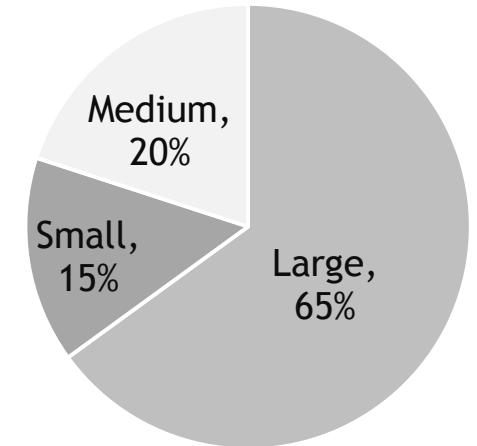
Number of Manufacturers

	Single-use Item	210
	Durable Item	146
	Reagents and Test Kits	28
	Software and Services	32
	Other	131

Number by Size



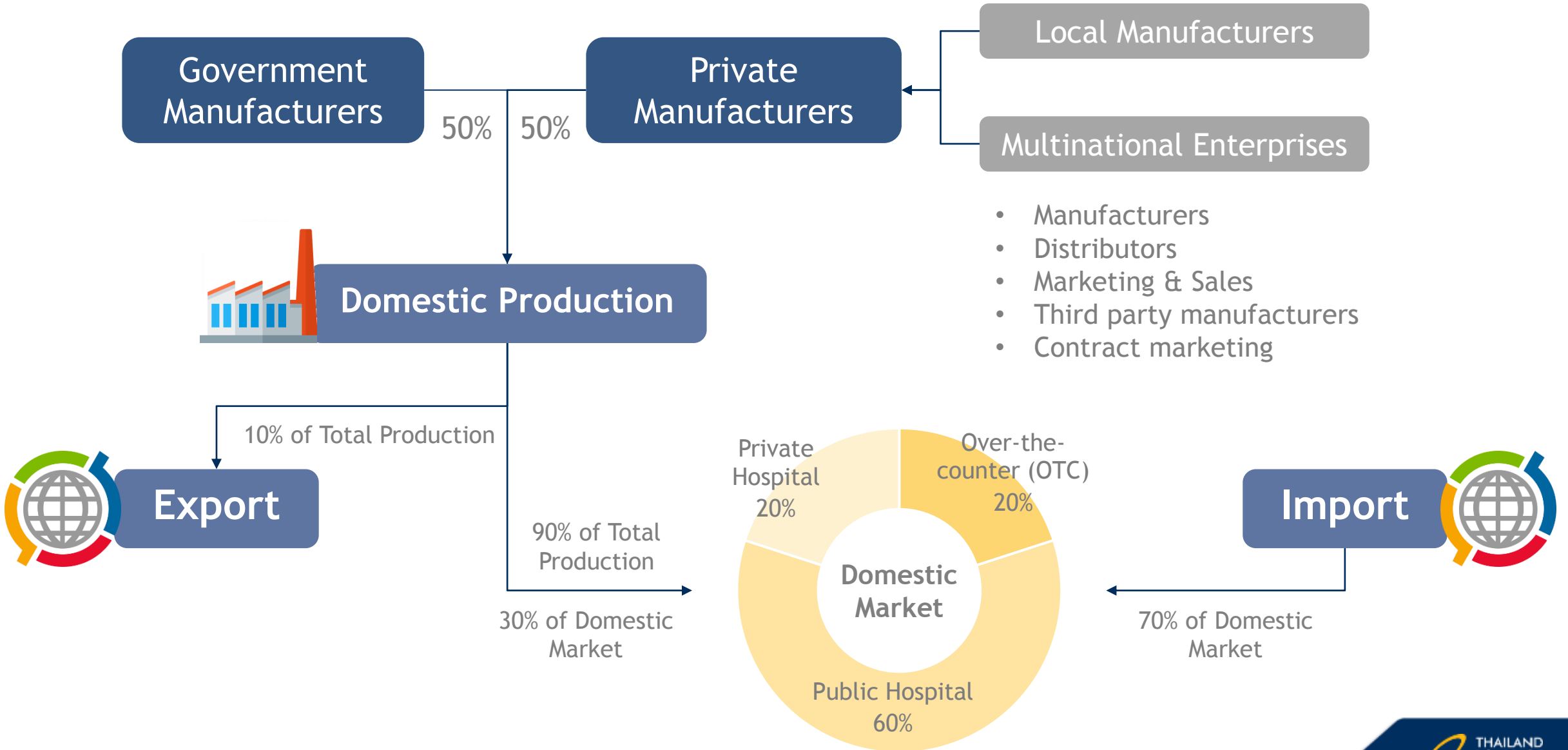
Revenue by Size



There is a room to invest in Thai medical device industry, especially products with high technology and innovation.

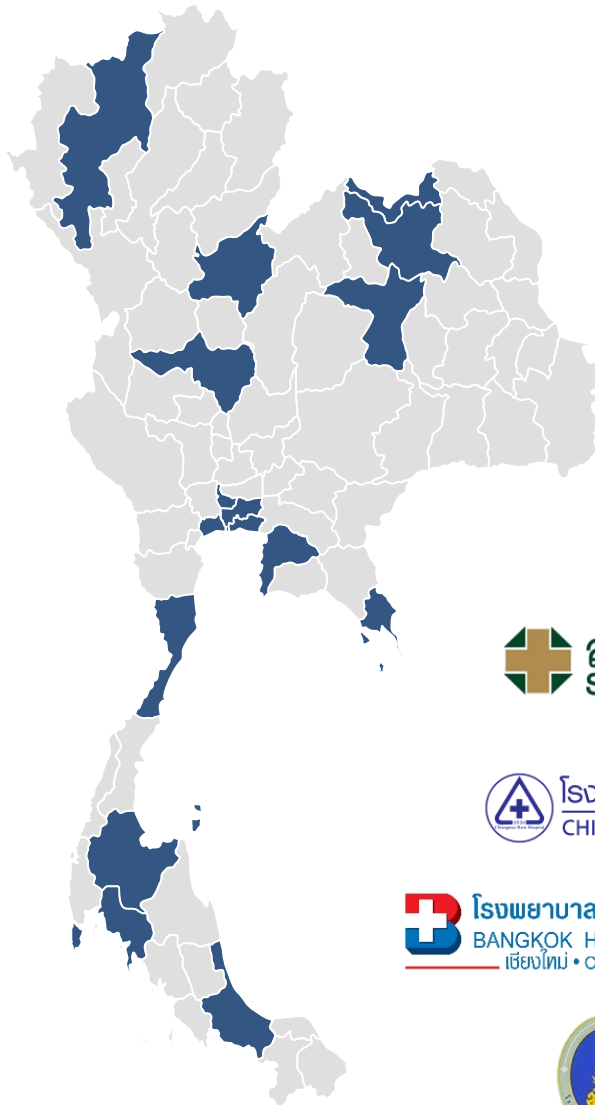
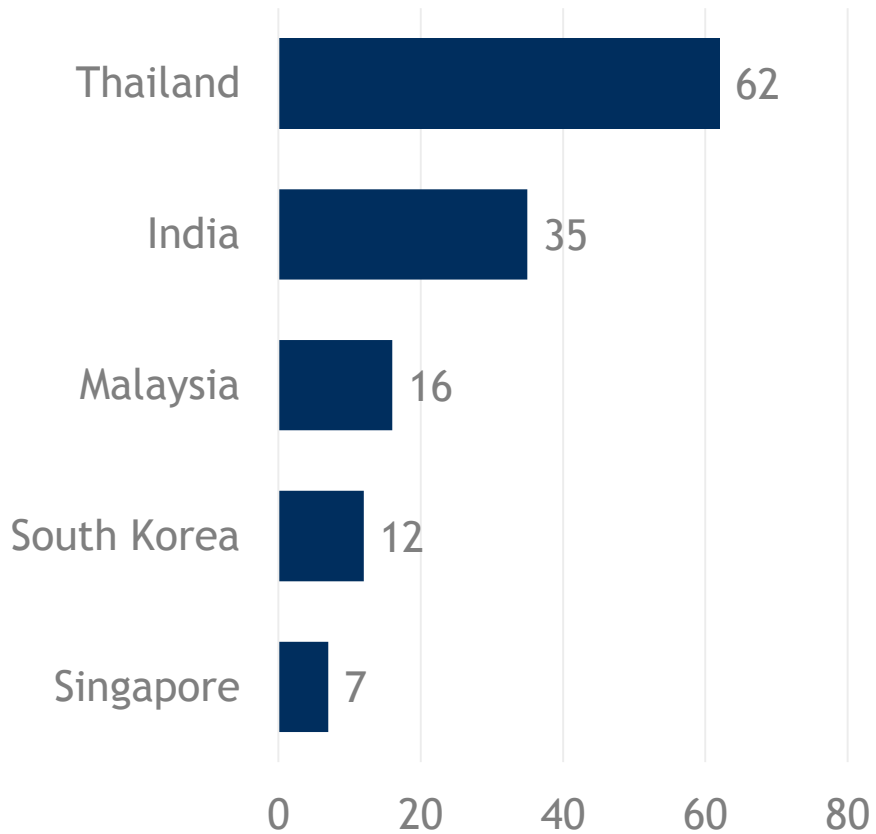
Note: The figure shown is collected by Medical Devices Intelligence Unit, The Office of Industrial Economics.

Pharmaceutical Market in Thailand



Qualified Standards with JCI Accredited Hospitals

Number of JCI Accredited Hospitals

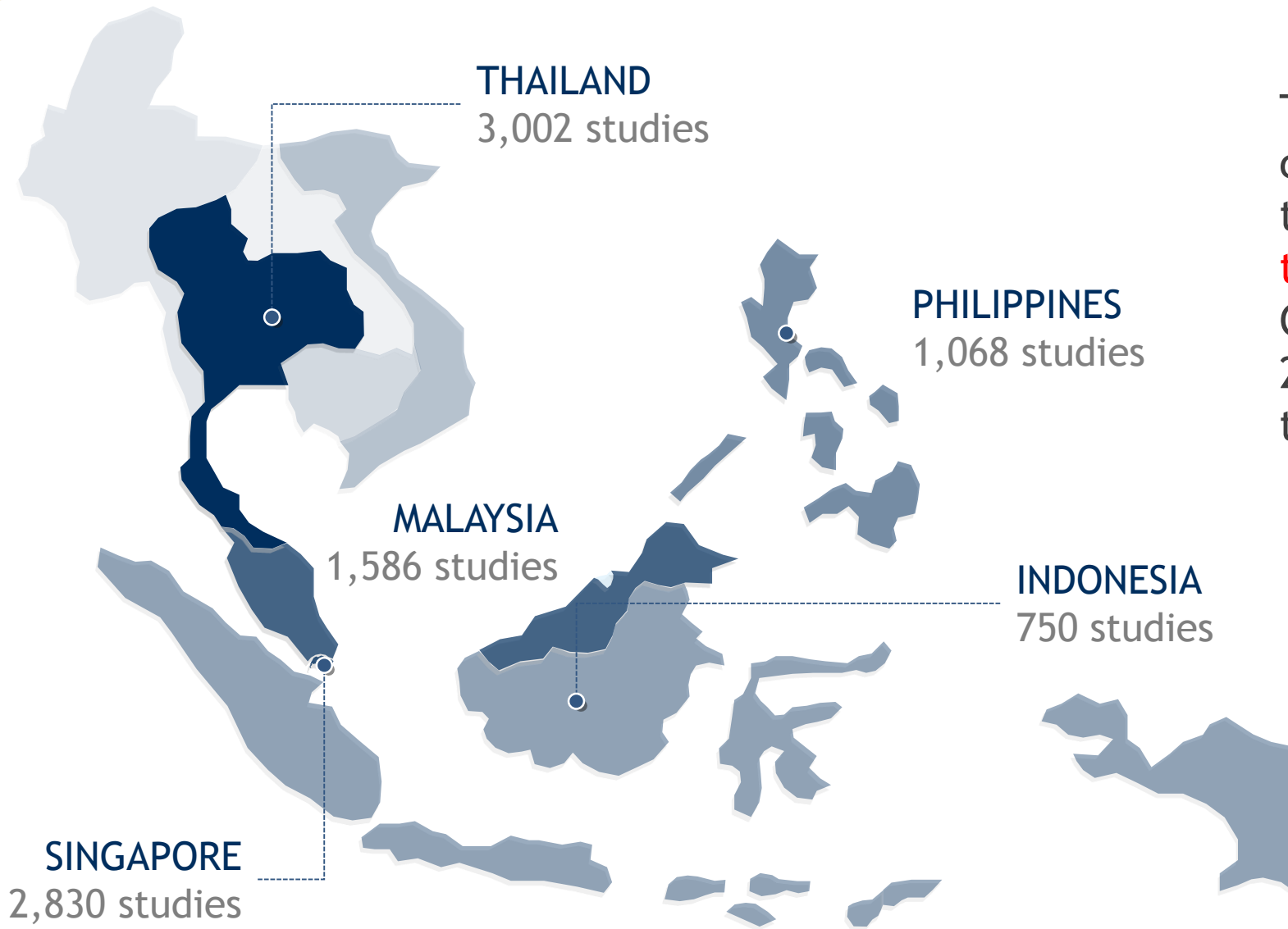


Provinces in which JCI-accredited facilities are located include Bangkok, Nakhon Sawan, Chiang Mai, Chiang Rai, Khon Kaen, Udon Thani, and Phuket, among others.

Example of JCI Accredited Hospitals



Current Situation of ASEAN's Clinical Trial



Thailand is currently driving clinical trials and laboratory with the recent success of reaching **the highest** concentration of Clinical Trial studies in ASEAN in 2021 accounting for 30% of the total studies in ASEAN

Eligible Activities for BOI' Incentives in Medical Industry

Manufactures



1.11 Natural Extracts (A3-A2),
6.9 Active Pharmaceutical Ingredient (A2)



6.10 Medicines (A3-A2)
7.12 Biologics (A1)



1.18 Medical Foods (A2)



3.11 Medical Devices (A4-A1)

Services



7.28.2 Specialty Medical Centers (A2)
7.28.5 Senior Hospital (A3)
7.28.1 Traditional Thai medical centers (A3)



7.28.4 Transportation services (A3)



7.28.6 Senior/dependent Care Centers (A4)

Supporting Activities

5.10 Software,
Digital Platform
(A2)

7.11 R&D/7.14
Scientific Laboratories
(A1)

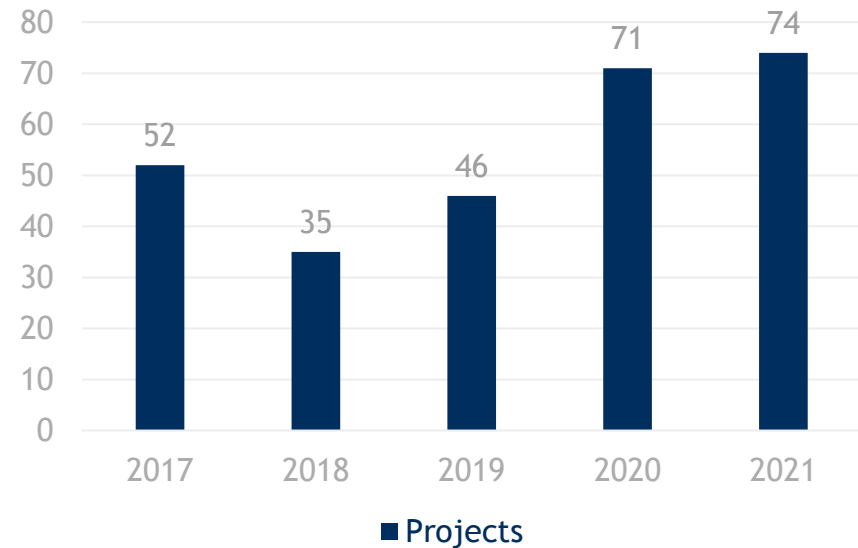
7.12
Biotechnology
(A1)

7.19 Vocational Training
(A1)

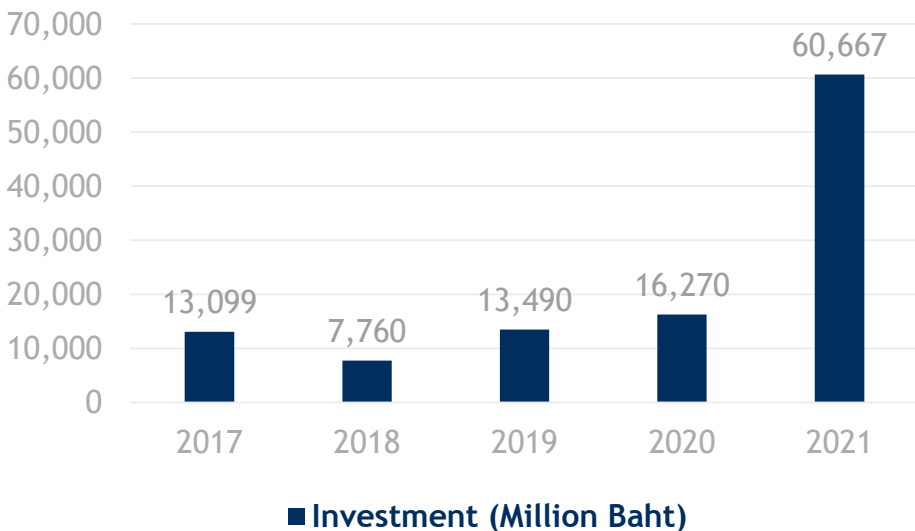
7.38 Clinical Research
(A1)

Note: A1-A4 identifying Group of Incentives,
for more details: https://www.boi.go.th/upload/content/BOI_A_Guide_EN.pdf

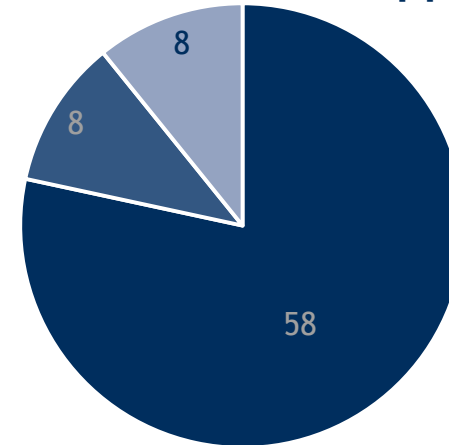
BOI promoted project in Medical Industry



↑ 44.2% Growth



Approved Project in 2021



■ Medical Devices ■ Pharmaceuticals ■ Medical Services

Example:

- Surgical/Examination Gloves
- Rx Lens
- Needles, Catheter
- Surgical Bed, Cart
- Generic Drug (Tablet, Capsule, Cream)
- Contract Research Organization (CRO)

International Companies with Manufacturing Facilities in Thailand





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